

## EAST Search History

| Ref # | Hits | Search Query | Dbs   | Default Operator | Purals | Time Stamp       |
|-------|------|--------------|---|------------------|--------|------------------|
| L1    | 995  | 451/49.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO, JPO,<br>DERWENT | OR               | OFF    | 2006/06/06 10:20 |

## EAST Search History

| L6 | 342 | "1145816" "1255799" "1843301" "1993418" "1993543" "2069431" "2121384" "2182952" "2209538" "2330168" "2507334" "2514394" "2588714" "2641874" "2654189" "2674068" "2855391" "2887828" "2907200" "2930112" "2982057" "3019562" "3059514" "3098328" "3104501" "3125932" "3192604" "3268980" "3344559" "3488886" "3513598" "3520091" "3581611" "3583108" "3653855" "3663189" "3680263" "3699270" "3719459" "3728823" "3762102" "3775908" "3783718" "3802130" "3807098" "3817002" "3818642" "3859755" "3861044" "3871139" "3877151" "3878651" "3881887" "3919614" "4014142" "4053289" "4055027" "4062150" "4115956" "4115958" "4118900" "4133332" "4136487" "4136489" "4137677" "4151685" "4170091" "4179854" "4182312" "4197679" "4202222" "4205488" "4205494" "4219972" "4222203" "4233784" "4286416" "4322915" "4324546" "4341044" "4343577" "4373301" "4383393" "4411626" "4419845" "4423990" "4461121" "4484419" "4492059" "4527356" "4528781" "4548000" "4562791" "4580368" "4583893" "4615150" "4617764" "4624610" "4665655" "4686877" "4690594" "4751794" "4754574" "4760668" "4773187" "4829715" "4833834" "4841676" "4845629" "4865647" "4870705" "4885874" "4897964" "4907418" "4907738" <th>US-PGPUB;<br/>USPAT;<br/>USOCR</th> <th>OR</th> <th>OFF</th> <th>2006/06/06 10:17</th> | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/06/06 10:17 |
|----|-----|--|------------------------------|----|-----|------------------|
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## EAST Search History

|    |     |   |   |    |     |                  |
|----|-----|---|---|----|-----|------------------|
| L7 | 668 | (451/49.ccls.) and (grind\$6)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/06 10:30 |
| L8 | 0   | (method and first and second and spindle and chuck\$4 and axis and pivot and rotation).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/06 10:31 |
| L9 | 6   | (method and first and second and spindle and chuck\$4 and axis and pivot and rotation).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/06 10:31 |
| S1 | 0   | "EP 0714338 B1"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/03 10:38 |
| S2 | 0   | "EP0714338B1"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/02 17:48 |
| S3 | 0   | "0714338B1"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/02 17:48 |
| S4 | 4   | "0714338"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/02 17:48 |
| S5 | 80  | 451/195.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/03 10:38 |
| S6 | 84  | 451/62.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/03 10:51 |
| S7 | 9   | ("2654189"   "4580368"   "5899797").PN. OR ("6200200").URPN.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/03 10:39 |

## EAST Search History

|     |         |  |   |    |     |                  |
|-----|---------|--|---|----|-----|------------------|
| S8  | 11      | ("1843301"   "2209538"   "3355633"   "3392566"   "5655952"   "5697831").PN. OR ("5899797").URPN.                         | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2005/11/03 10:40 |
| S9  | 9       | ("3728823"   "3783718"   "4136489"   "4461121"   "4617764"   "4734574"   "4897964"   "6200200").PN. OR ("6685536").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2005/11/03 10:41 |
| S10 | 10      | ("1255799"   "2069431"   "2507334"   "2588714"   "2982057").PN. OR ("4198790").URPN.                                     | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2005/11/03 10:43 |
| S11 | 675     | 451/57.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 14:58 |
| S12 | 365     | 451/58.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/03 10:51 |
| S13 | 1501495 | "78" not (\$5 \$6)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/03 10:51 |
| S14 | 360     | S12 not (\$5 \$6)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/03 10:51 |
| S15 | 80      | 451/195.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 17:02 |
| S16 | 84      | 451/62.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 14:49 |
| S17 | 365     | 451/58.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 14:49 |

### EAST Search History

|     |     |                           |   |    |     |                  |
|-----|-----|---------------------------|---|----|-----|------------------|
| S18 | 360 | S17 not (S15 S16)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 14:49 |
| S19 | 675 | 451/57.ccls.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 14:58 |
| S20 | 637 | S19 not (S17 S15 S16)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 17:02 |
| S21 | 150 | 451/132.ccls.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 17:02 |
| S22 | 286 | 451/140.ccls.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 17:02 |
| S23 | 80  | 451/195.ccls.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 17:02 |
| S24 | 84  | 451/62.ccls.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 17:02 |
| S25 | 365 | 451/58.ccls.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/06/06 10:16 |
| S26 | 675 | 451/57.ccls.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 17:02 |
| S27 | 145 | S21 not (S25 S23 S24 S26) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/07 17:03 |

### EAST Search History

|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S28 | 286   | S22 not (S21 S25 S23 S24 S26)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 13:21 |
| S29 | 13009 | ("451".cls.) and (camshaft (cam adj shaft) valve valves transmission)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 13:22 |
| S30 | 9898  | ("451".cls.) and (camshaft (cam adj shaft) valve valves)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 13:23 |
| S32 | 2293  | ("451".cls.) and (camshaft (cam adj shaft) valve valves) and ((grind grinding).tl.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 13:23 |
| S33 | 5011  | ("451".cls.) and (camshaft (cam adj shaft) valve valves) and (grind grinding)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 13:30 |
| S34 | 1021  | ("451".cls.) and (camshaft (cam adj shaft) valve valves) and ((multiple multi\$4 plurality plural\$4 two pair first second) near3 ((grinding grind\$) ad\$2 near3 ((grinding grind\$ abrasive) ad\$2 (surface wheel surfaces wheels))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 13:35 |
| S35 | 936   | ("451".cls.) and (camshaft (cam adj shaft) valve valves) and ((multiple multi\$4 plurality plural\$4 two pair first second) near3 ((grinding grind\$) ad\$2 (surface wheel surfaces wheels)))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 13:36 |
| S36 | 221   | ("451".cls.) and (camshaft (cam adj shaft)) and ((multiple multi\$4 plurality plural\$4 two pair first second) near3 ((grinding grind\$) ad\$2 (surface wheel surfaces wheels)))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 13:35 |

## EAST Search History

6/6/06 10:34:46 AM Page C:\Documents and Settings\bmuller\My Documents\EA5T\Workspaces\10523269.wsp

|  |             |      |
|--|-------------|------|
| 6/6/06 10:34:46 AM<br>C:\Documents and Settings\Brent Miller\My Documents\EAST\Workspaces\10523269.msp | <div></div> | Page |
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# EAST Search History

|     |      |  |                               |    |     |                  |
|-----|------|--|-------------------------------|----|-----|------------------|
| S44 | 1    | 10/009880.app.   | US-PGPUB;<br>USPAT;           | OR | OFF | 2005/11/08 14:40 |
| S45 | 9    | ("3728823"   "3783718"  <br>"4136489"   "4461121"  <br>"4617764"   "4754574"  <br>"4897964"   "6200200").PN. OR<br>("6685536").URPN. | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2005/11/08 14:40 |
| S46 | 0    | 2004/0235401   | US-PGPUB;<br>USPAT;<br>USOCR; | OR | OFF | 2006/05/17 16:24 |
| S47 | 1204 | Schauer, In.   | US-PGPUB;<br>USPAT;<br>USOCR; | OR | OFF | 2006/05/17 16:24 |
| S48 | 162  | S47 and "2004"   | US-PGPUB;<br>USPAT;<br>USOCR; | OR | OFF | 2006/05/18 08:48 |
| S49 | 0    | 2004/00235401  | US-PGPUB;<br>USPAT;<br>USOCR; | OR | OFF | 2006/05/17 16:24 |
| S50 | 40   | muller, xa.  | US-PGPUB;<br>USPAT;<br>USOCR; | OR | OFF | 2006/05/18 08:48 |

# EAST Search History

|     |     |  |                              |    |     |                  |
|-----|-----|--|------------------------------|----|-----|------------------|
| S51 | 249 | ("1145816"   "1255799"  <br>"1843301"   "1993543"  <br>"2069431"   "2121384"  <br>"2182952"   "2209538"  <br>"2230168"   "2507334"  <br>"2514394"   "2586714"  <br>"2641874"   "2654189"  <br>"2674068"   "2855391"  <br>"2907200"   "2982057"  <br>"3019562"   "3059514"  <br>"3098328"   "3104501"  <br>"3344559"   "3513598"  <br>"3520091"   "3581611"  <br>"3583108"   "3653855"  <br>"3663189"   "3699270"  <br>"3728823"   "3762102"  <br>"3775908"   "3783718"  <br>"3802130"   "3807098"  <br>"3818642"   "3859755"  <br>"3871139"   "3877151"  <br>"3878651"   "3881887"  <br>"3919614"   "4014142"  <br>"4053289"   "4055027"  <br>"4062150"   "4115958"  <br>"4118900"   "4135332"  <br>"4136487"   "4136489"  <br>"4137677"   "4151685"  <br>"4179854"   "4197679"  <br>"4205488"   "4205494"  <br>"4219972"   "4222203"  <br>"4233784"   "4286416"  <br>"4322915"   "4343577"  <br>"4373301"   "4383393"  <br>"4419845"   "4423990"  <br>"4461121"   "4484419"  <br>"4492059"   "4527356"  <br>"4528781"   "4548000"  <br>"4562791"   "4580368"  <br>"4583893"   "4615150"  <br>"4617764"   "4624610"  <br>"4665655"   "4686877"  <br>"4690594"   "4751794"  <br>"4754574"   "4773187"  <br>"4829715"   "4833834"  <br>"4841676"   "4841679"  <br>"4862647"   "4870786"  <br>"4885874"   "4897964"  <br>"4905418"   "4905422"  <br>"4907374"   "4908996"  <br>"4930265"   "4932642"  <br>"4942695"   "4993193"  <br>"4993196"   "4993199"  <br>"5022188"   "5024026"  <br>"5052154"   "5063714"  <br>"5086594"   "5177904"  <br>"5232700"   "5238782"  <br>"5265379"   "5305511" | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/05/18 09:52 |
|-----|-----|--|------------------------------|----|-----|------------------|

### EAST Search History

|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S52 | 59 | (grinding and spindle and axis and first and second and pivot).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/18 10:19 |
|-----|----|---|---|----|-----|------------------|